

## Sistemas Lineales (F)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 2a + 4c + 4v = -9 \\ & 4a + 5c + 4v = -10 \\ & 4a + 2c + 2v = -6 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5a + 6b + x = 1 \\ & a + 2b + 4x = 1 \\ & 4a + 6b + 6x = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3c + v + y = 11 \\ & 6c + 6v + 2y = 26 \\ & c + 3v + 6y = -5 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4a + 6c + 2y = -15 \\ & a + 3c + 4y = -15 \\ & 5a + c + 2y = -14 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4a + 5b + 3y = -5 \\ & a + 3b + 6y = -10 \\ & 6a + 5b + 5y = -11 \end{aligned}$$

$$\begin{aligned} 7. \quad & 6a + 5v + 6x = 4 \\ & 6a + v + 6x = 4 \\ & 3a + v + 6x = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3b + 5v + z = -11 \\ & 6b + 6v + 2z = -18 \\ & 2b + v + 2z = -5 \end{aligned}$$

$$\begin{aligned} 8. \quad & a + 3b + 3c = -5 \\ & a + 2b + 4c = -7 \\ & a + 2b + 2c = -5 \end{aligned}$$

## Sistemas Lineales (F) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 2a + 4c + 4v = -9 \\ & 4a + 5c + 4v = -10 \\ & 4a + 2c + 2v = -6 \\ & a = -\frac{1}{2}, c = 0, v = -2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5a + 6b + x = 1 \\ & a + 2b + 4x = 1 \\ & 4a + 6b + 6x = 2 \\ & a = -1, b = 1, x = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3c + v + y = 11 \\ & 6c + 6v + 2y = 26 \\ & c + 3v + 6y = -5 \\ & c = 4, v = 1, y = -2 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4a + 6c + 2y = -15 \\ & a + 3c + 4y = -15 \\ & 5a + c + 2y = -14 \\ & a = -\frac{3}{2}, c = -\frac{1}{2}, y = -3 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4a + 5b + 3y = -5 \\ & a + 3b + 6y = -10 \\ & 6a + 5b + 5y = -11 \\ & a = -1, b = 1, y = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & 6a + 5v + 6x = 4 \\ & 6a + v + 6x = 4 \\ & 3a + v + 6x = 6 \\ & a = -\frac{2}{3}, v = 0, x = \frac{4}{3} \end{aligned}$$

$$\begin{aligned} 4. \quad & 3b + 5v + z = -11 \\ & 6b + 6v + 2z = -18 \\ & 2b + v + 2z = -5 \\ & b = -2, v = -1, z = 0 \end{aligned}$$

$$\begin{aligned} 8. \quad & a + 3b + 3c = -5 \\ & a + 2b + 4c = -7 \\ & a + 2b + 2c = -5 \\ & a = -5, b = 1, c = -1 \end{aligned}$$